

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							February 2002		
BUDGET ACTIVITY 5 - Engineering and manufacturing development				PE NUMBER AND TITLE 0604220A - Armed, Deployable OH-58D				PROJECT 538	
COST (In Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
538 KIOWA WARRIOR LFTE	511	2326	1873	0	0	0	0	0	4710
<p><u>A. Mission Description and Budget Item Justification:</u> Program funding provides static and dynamic Live Fire Test and Evaluation (LFT&E) for the Kiowa Warrior Mast Mounted Sight (MMS) and Main Rotor Blades (MRB). There will be additional quasi-static testing performed on the MRBs. The ballistic testing, required by Title X, US Code 2366, was documented in the Kiowa Warrior Live Fire Independent Evaluation Plan/Test Design Plan (IEP/TDP) dated February 1999, and approved by the Deputy Under Secretary of the Army, Operations Research (DUSA (OR)) and the Director, Operational Test and Evaluation (DOTE). LFT&E has not been conducted on the Kiowa Warrior to date because it had predated the statutory requirements. To complete the dynamic portion of the LFT&E, a ground test vehicle (GTV) will be assembled. The GTV will consist of fully functional but non-flightworthy airframe and engine parts. No radios, or working mission equipment will be installed. Only essential flight instruments will be installed for safe ground operations. Plywood mock-ups or empty black boxes will be used in place of mission equipment. The MMS static testing will be conducted with the MMS attached to a maintenance stand. The dynamic testing will be conducted with the MMS fastened on the GTV operating at 100% rotor speed. The quasi-static MRB testing will be conducted while various loads are applied to the blade specimens. Each test shot defined in the IEP/TDP will vary from caliber 7.62mm to 30 mm. All testing will occur on a controlled range at Aberdeen Proving Grounds, MD.</p> <p>This system supports the Legacy transition path of the Transformation Campaign Plan (TCP).</p> <p><u>FY 2001 Accomplishments:</u></p> <ul style="list-style-type: none"> • 467 Developmental/Operational Test & Analysis • 11 Battle Damage Assessment • 33 Government Furnished Equipment (GFE) <p>Total 511</p>									

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BUDGET ACTIVITY

5 - Engineering and manufacturing development

PE NUMBER AND TITLE

0604220A - Armed, Deployable OH-58D

PROJECT

538

FY 2002 Planned Program

- 174 Development/Operational Test & Analysis 2 Main rotor blades 1 Ground test vehicle assembly
 - 11 Battle Damage Assessment
 - 2141 Mock-up Cost
- Total 2326

FY 2003 Planned Program

- 1363 Developmental/Operational Test & Analysis
 - 10 Battle Damage Assessment
 - 500 Mock-up Cost (1 GTV)
- Total 1873

B. Program Change Summary

	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2002 PB)	528	2345	1878
Appropriated Value	532	2345	0
Adjustments to Appropriated Value	0	0	0
a. Congressional General Reductions	0	-19	0
b. SBIR / STTR	-16	0	0
c. Omnibus or Other Above Threshold Reductions	0	0	0
d. Below Threshold Reprogramming	0	0	0
e. Rescissions	-5	0	0
Adjustments to Budget Years Since FY2002 PB	0	0	-5
Current Budget Submit (FY 2003 PB)	511	2326	1873

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<u>C. Other Program Funding Summary</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>To Compl</u>	<u>Total Cost</u>
APA AZ2200 - Kiowa Warrior	41531	42308	42406	41876	34573	22962	56522	14110	338228
<p><u>D. Acquisition Strategy:</u> Test planning and actual testing will be conducted by Army Research Laboratories (ARL). Test results will be analyzed by ARL, the Army Test and Evaluation Center (ATEC), and the Evaluation Analysis Center (EAC). The US Army Aviation Logistics School (USAALS) will perform battle damage assessment and the Boeing Company will provide support for the planning, testing and analysis efforts.</p>									
<u>E. Schedule Profile</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>		
Test - Phase I (Static shots)	1-4Q	1-4Q							
Test - Phase II (Dynamic shots)		4Q	1-4Q	1Q					

ARMY RDT&E COST ANALYSIS(R-3)									February 2002			
BUDGET ACTIVITY 5 - Engineering and manufacturing development					PE NUMBER AND TITLE 0604220A - Armed, Deployable OH-58D					PROJECT 538		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	0		0		0		0	0	0
Subtotal:												
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	0		0		0		0	0	0
Subtotal:												
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Test Planning & Analysis	MIPR	ARL OPTEC/EAC, ABERDEEN, MD	0	297	1-2Q	185	1-2Q	723	1Q	0	1205	1205
b . Hardware Cost Assembly	MIPR	OLR, KILLEEN, TX	0	33	1Q	2141	1-2Q	500	1Q	0	2674	2674
c . Bell Helicopter	SS/CPFF	FORT WORTH, TX	0	0		0		500	1Q	0	500	500
d . Boeing	SS/CPFF	Annaheim, CA	0	181	1Q	0		150	1Q	0	331	331

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III. Test and Evaluation (continued)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	511		2326		1873		0	4710	4710
Subtotal:												
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	0		0		0		0	0	0
Subtotal:												
Project Total Cost:			0	511		2326		1873		0	4710	4710